**NCBI**     Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |
|---|---|---|---|---|---|---|---|---|

Search Nucleotide for    Go | Clear

Limits    Preview/Index    History    Clipboard    Details

Display default | Save | Text | Add to Clipboard

1: F07531. HSC29B121 normali...[gi:673196]     PubMed, Taxonomy, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 123317 |
| EST name: | HSC29B121 |
| GenBank Acc: | F07531 |
| GenBank gi: | 673196 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | c-29b12 |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | (-21)M13_universal |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
CATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGG
TTGTACCACATTTNGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTT
TGAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCT
TATTTCTCTTGGAGCAGAAAGGGACCTTAAAGNTGACAGACCAAACATCAGCTTCACAGA
TGATGACACAGAAGGTGAATC
```

| | |
|---|---|
| Entry Created: | Feb 20 1995 |
| Last Updated: | Feb 20 1995 |

**COMMENTS**

Single read.
Genexpress_library_idt: C; Genexpress_sequence_idt:
y1c-29b12

**LIBRARY**

| | |
|---|---|
| Lib Name: | normalized infant brain cDNA |
| Organism: | Homo sapiens |
| Sex: | Female |
| Organ: | brain |
| Tissue type: | total brain |
| Develop. stage: | 3 months old |
| Vector: | lafmid BA |
| R. Site 1: | HindIII |
| R. Site 2: | NotI |
| Description: | sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press |

**SUBMITTER**

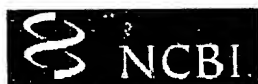| | |
|---|---|
| Name: | Genethon |
| Lab: | Genexpress-Genethon |
| Institution: | Genethon Centre de recherche sur le Genome Humain |
| Address: | 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE |
| Tel: | 33169472800 |
| Fax: | 33160778698 |
| E-mail: | genexpress@genethon.fr |

**CITATIONS**

| | |
|---|---|
| Medline UID: | 95277534 |
| Title: | IMAGE: molecular integration of the analysis of the human genome and its expression |
| Authors: | Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B., Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A. |
| Citation: | C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995 |

**MAP DATA**

Revised: October 24, 2001.

**NCBI**

**Nucleotide**

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

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1: R13353. yf76c04.r1 Soares...[gi:766429]                    Taxonomy, LinkOut

**IDENTIFIERS**

dbEST Id:         183932
EST name:         yf76c04.r1
GenBank Acc:      R13353
GenBank gi:       766429
GDB Id:           400802

**CLONE INFO**
Clone Id:         IMAGE:28455 (5')
Insert length:    1581
DNA type:         cDNA

**PRIMERS**
Sequencing:       M13RP1
PolyA Tail:       Unknown

**SEQUENCE**

ATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGGA
TGTACCACATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTTT
GAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCTT
ATTTCTCTTGGAGCAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGAT
GATGACACAGAAGGTGAATCTACTGAAAAGAGCTAAAGGAAAGGACAAATCTCTTGAGGG
CAGGATGAAGGGGAATGCAAATATTTCAAAGGACCCTGGCAGGAAANTCAGTTCAACAAG
GNTGCTGTTTGTCTTGGGGTCTTAGTGTTTTGCTNTCTGTTGGGGCCCCGTTTCCACNTT
GACCCGANT

Quality:          High quality sequence stops at base: 302

Entry Created:    Apr 12 1995
Last Updated:     Apr 12 1995

**COMMENTS**

Insert Size: 1581
High quality sequence stops: 302 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

**PUTATIVE ID**        Assigned by submitter
contains L1 repetitive element ;

**LIBRARY**
Lib Name:         Soares infant brain 1NIB
Organism:         Homo sapiens
Sex:              female
Organ:            whole brain
Develop. stage:   73 days post natal
Lab host:         DH10B (ampicillin resistant)
Vector:           Lafmid BA
R. Site 1:        Not I
R. Site 2:        Hind III
Description:      1st strand cDNA was primed with a Not I - oligo(dT) primer
                  [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTT 3'];
                  double-stranded cDNA was ligated to Hind III adaptors
                  (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**
Name:             Wilson RK
Institution:      Washington University School of Medicine
Address:          4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:              314 286 1800
Fax:              314 286 1810
E-mail:           est@watson.wustl.edu

**CITATIONS**
Title:            The WashU-Merck EST Project
Authors:          Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                  Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                  , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                  Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                  Wilson,R.
Year:             1995
Status:           Unpublished


**MAP DATA**

Revised: October 24, 2001.

## NCBI                                    Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search  Nucleotide ▼ for                                              Go  Clear

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Display  default ▼  Save  Text      Add to Clipboard

1: R13890. yf62a02.r1 Soares...[gi:766966]                    Taxonomy, LinkOut

**IDENTIFIERS**

dbEST Id:        184469
EST name:        yf62a02.r1
GenBank Acc:     R13890
GenBank gi:      766966
GDB Id:          398934

**CLONE INFO**
Clone Id:        IMAGE:26587 (5')
Insert length:   1558
DNA type:        cDNA

**PRIMERS**
Sequencing:      M13RP1
PolyA Tail:      Unknown

**SEQUENCE**

ATTGGTGCATATATCAATAATTAATTTCCTTTTATTGCTGAGTAGTATTTACTATATGGA
TGTACCACATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTGGGTTGTTTCCAGTTTT
GAGCTATATAAACAAAGACACAAAGATTTGTATGTAAAGCATCGTATGGACAGCCACCTT
ATTTCTCTTGGAGCAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGAT
GATGACACAGAAGGTGAATCTACTGAAAAGAGCTAAAGAAAGACAAATCTCTTGAGGCAG
ATGAAGGGAATGCAAATATTCAAAGACCCTGCAGAAAATCAGTCAACAAGATGCTGTTTG
TCTTGGTCTTAGTGTTTGCTATCTGTTGGGGCCCCGTTCCACATTGGACCGACTTTTCTT
TCAGCTTTGTGGGAGGGAGTNGGAGTTGAT
Quality:         High quality sequence stops at base: 342

Entry Created:   Apr 12 1995
Last Updated:    Apr 12 1995

**COMMENTS**

Insert Size: 1558
High quality sequence stops: 342 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

**PUTATIVE ID**     Assigned by submitter
contains L1 repetitive element ;

**LIBRARY**
Lib Name:        Soares infant brain 1NIB
Organism:        Homo sapiens
Sex:             female
Organ:           whole brain
Develop. stage:  73 days post natal
Lab host:        DH10B (ampicillin resistant)
Vector:          Lafmid BA
R. Site 1:       Not I
R. Site 2:       Hind III
Description:     1st strand cDNA was primed with a Not I - oligo(dT) primer
                 [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTT 3'];
                 double-stranded cDNA was ligated to Hind III adaptors
                 (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**
Name:           Wilson RK
Institution:    Washington University School of Medicine
Address:        4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:            314 286 1800
Fax:            314 286 1810
E-mail:         est@watson.wustl.edu

**CITATIONS**
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished


**MAP DATA**
_____


Revised: October 24, 2001.



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☐ 1: H11359. ym13d04.r1 Soares...[gi:876179]          Taxonomy, LinkOut

**IDENTIFIERS**

dbEST Id:          271273
EST name:          ym13d04.r1
GenBank Acc:       H11359
GenBank gi:        876179
GDB Id:            420383

**CLONE INFO**
Clone Id:          IMAGE:47842 (5')
Insert length:     3363
DNA type:          cDNA

**PRIMERS**
Sequencing:        M13Rev
PolyA Tail:        Unknown

**SEQUENCE**

```
ATATTCAATAATTAATTTCCTTTTATTGGCTGAGTAGTATTTACTATATGGATGTACCAC
ATTTTGTTTATCCTTTCAACTGTTGCTGGACATTTNGGTTGTTTCCAGTTTTGAGGCTAT
ATAAACAAAGACACAAAGATTTGTATGTAAAGNCATCGTATGGACAGCCACCTTATTTCT
CTTGGAGGCAGAAAGGGACCTTAAAGATGACAGACCAAACATCAACTTCACAGATGATGA
CACAGAAGGTGAATCTACTGAAAAGAGNCTAAAGAAAGACAAATCTCTTGAGGCAGATGA
AGGGAATGCAAATATTCAAAGACCCTGCAGAAAATCAGTCAACAAGATGCTGTTTGTCTT
GGTCTTAGTGTTTGCTATC
```

Quality:           High quality sequence stops at base: 321

Entry Created:     Jun 26 1995
Last Updated:      Jun 26 1995

**COMMENTS**

Insert Size: 3363
High quality sequence stops: 321
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

**PUTATIVE ID**      Assigned by submitter
contains L1 repetitive element ;

**LIBRARY**
Lib Name:          Soares infant brain 1NIB
Organism:          Homo sapiens
Sex:               female
Organ:             whole brain
Develop. stage:    73 days post natal
Lab host:          DH10B (ampicillin resistant)
Vector:            Lafmid BA
R. Site 1:         Not I
R. Site 2:         Hind III
Description:       1st strand cDNA was primed with a Not I - oligo(dT) primer
                   [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTT 3'];
                   double-stranded cDNA was ligated to Hind III adaptors
                   (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**
Name:           Wilson RK
Institution:    Washington University School of Medicine
Address:        4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:            314 286 1800
Fax:            314 286 1810
E-mail:         est@watson.wustl.edu

**CITATIONS**
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished

**MAP DATA**

Revised: October 24, 2001.

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## NCBI            Nucleotide

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☐ 1: AQ019411. CIT-HSP-2306L8.TF...[gi:3198147]          Taxonomy, LinkOut

**IDENTIFIERS**

dbGSS Id:        119562
GSS name:        CIT-HSP-2306L8.TF
GenBank Acc:     AQ019411
GenBank gi:      3198147

**CLONE INFO**
Clone Id:        2306L8
Other GSSs on clone: CIT-HSP-2306L8.TR
DNA type:        Genomic

**PRIMERS**
Sequencing:      M13-21

**SEQUENCE**

```
AGAATCAAAGGAAGACAGGTCACCTAGCGTTGACATAGACCATTAAGGAGGTGTCTTCAT
TATATATCTCTCCCCTTTGCTCCTTGATCTTAATCTACTCTCATAAATACTCTGTTTCAG
GATAAATTGGAACCTACCCCAGCAGCATTTAGTTGGTACCAAATGTACCTCCTTTGCTCT
TATGAACAAAACAAAACAAAAAACAAAATGGGGCACTTACACAGCATCTTGTTGACTGAT
TTTCTGCAGGGTCTTTGAATATTTGCATTCCCTTCATCTGCCTCAAGAGATTTGTCTTTC
TTTAGCTGAAAGGGAAGTAAGTTGGGAGAGATAGTAAGAAAGAGAAACATTTTTCCTCCT
GTTAAAATCTGAGAAACATAACTCAAACGCTCATTTTGAAGACAGAAGAACTGAGACCTA
GAGAAATGTAAGACTACGTCAAATGTTTAACAGTATGTTGAAGGTGGAATTGGATTCAGG
TCATCTACTCAACTGGATAAGTGATTGTGGCCAAGTAAT
```

Entry Created:   Jun 8 1998
Last Updated:    Jun 9 1998

**COMMENTS**

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

**LIBRARY**
CLASS:           BAC ends
Lib Name:        CIT-HSP
Organism:        Homo sapiens
Sex:             Male
Cell type:       Sperm
Vector:          pBeloBAC11
R. Site 1:       HindIII
R. Site 2:       HindIII

**SUBMITTER**
Name:            Mark Adams
Lab:             Department of Eukaryotic Genomics
Institution:     The Institute for Genomic Research
Address:         9712 Medical Center Dr., Rockville, MD 20850, USA
Tel:             301 838 0200
Fax:             301 838 0208
E-mail:          mdadams@tigr.org

**CITATIONS**

Title:          Use of a random BAC End Sequence Database for Sequence-Ready
                Map Building (1998)
Authors:        Adams,M.D., Rounsley,S.D., Zhao,S., Field,C.E., Bass,S.,
                Linher,K., Golden,K., Berry,K., Granger,D., Suh,E., Wible,C.
                , Shizuya,H., Simon,M., Venter,J.C.
Year:           1998
Status:         Unpublished

**MAP DATA**

Revised: October 24, 2001.


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1: AQ015065. CIT-HSP-2306M7.TF...[gi:3193801]        Taxonomy, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbGSS Id: | 115216 |
| GSS name: | CIT-HSP-2306M7.TF |
| GenBank Acc: | AQ015065 |
| GenBank gi: | 3193801 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | 2306M7 |
| Other GSSs on clone: | CIT-HSP-2306M7.TR |
| DNA type: | Genomic |

**PRIMERS**

| | |
|---|---|
| Sequencing: | M13-21 |

**SEQUENCE**

```
AGAAGCAAAGGAAGACAGGTCACCTAGCGTTGACATAGACCATTAAGGAGGTGTCTTCAT
TATATATCTCTCCCCTTTGCTCCTTGATCTTAATCTACTCTCATAAATACTCTGTTTCAG
GATAAATTGGAACCTACCCCAGCAGCATTTAGTTGGTACCAAATGTACCTCCTTTGCTCT
TATGAACAAAACAAAACAAAAAACAAAATGGGGCACTTACACAGCATCTTGTTGACTGAT
TTTCTGCAGGGTCTTTGAATATTTGCATTCCCTTCATCTGCCTCAAGAGATTTGTCTTTC
TTTAGCTGAAAGGGAAGTAAGTTGGGAGAGATAGTAAGA
```

| | |
|---|---|
| Entry Created: | Jun 8 1998 |
| Last Updated: | Jun 9 1998 |

**COMMENTS**

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

**LIBRARY**

| | |
|---|---|
| CLASS: | BAC ends |
| Lib Name: | CIT-HSP |
| Organism: | Homo sapiens |
| Sex: | Male |
| Cell type: | Sperm |
| Vector: | pBeloBAC11 |
| R. Site 1: | HindIII |
| R. Site 2: | HindIII |

**SUBMITTER**

| | |
|---|---|
| Name: | Mark Adams |
| Lab: | Department of Eukaryotic Genomics |
| Institution: | The Institute for Genomic Research |
| Address: | 9712 Medical Center Dr., Rockville, MD 20850, USA |
| Tel: | 301 838 0200 |
| Fax: | 301 838 0208 |
| E-mail: | mdadams@tigr.org |

**CITATIONS**

| | |
|---|---|
| Title: | Use of a random BAC End Sequence Database for Sequence-Ready Map Building (1998) |
| Authors: | Adams,M.D., Rounsley,S.D., Zhao,S., Field,C.E., Bass,S., |

Linher,K., Golden,K., Berry,K., Granger,D., Suh,E., Wible,C.
, Shizuya,H., Simon,M., Venter,J.C.
Year:          1998
Status:        Unpublished

**MAP DATA**

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Nucleotide

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Limits          Preview/Index          History          Clipboard          Details

Display   default   ▼  Save   Text     Add to Clipboard

☐1: N45474. yy59b04.r1 Soares...[gi:1186640]                    Taxonomy, LinkOut

## IDENTIFIERS

| | |
|---|---|
| dbEST Id: | 451003 |
| EST name: | yy59b04.r1 |
| GenBank Acc: | N45474 |
| GenBank gi: | 1186640 |
| GDB Id: | 3896183 |

## CLONE INFO

| | |
|---|---|
| Clone Id: | IMAGE:277807 (5') |
| Source: | IMAGE Consortium, LLNL |
| DNA type: | cDNA |

## PRIMERS

| | |
|---|---|
| Sequencing: | T7 |
| PolyA Tail: | Unknown |

## SEQUENCE

```
CCATTATCTATAACCTACTGTCTCGCCGCTTCCAGGCAGCATTCCAGAATGTGATCTCTT
CTTTCCACAAACAGTGGCACTCCCAGCATGACCCACAGTTGCCACCTGCCCAGCGGAACA
TCTTCCTGACAGAATGCCACTTTGTGGAGCTGACCGAAGATATAGGTCCCCAATTCCCAT
GTCAGTCATCCATGCACAACTCTCACCTCCCAACAGCCCTCTCTAGTGAACAGATGTCAA
GAACAAACTATCAAAGCTTCCACTTTAACAAAACCTGAATTCTTTCAGAGCTGACTCTCC
TCTATGCCTCAAAACTTCAGAGAGGAACATCCCATAATGTATGCCTTCTCATATGGTATT
AGNGAGGTAGGAATGGGGTCTTACAAACTCCATGGACCCCATTGGCTAGGNTTT
```

| | |
|---|---|
| Quality: | High quality sequence stops at base: 264 |

| | |
|---|---|
| Entry Created: | Feb 13 1996 |
| Last Updated: | Feb 13 1996 |

## COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

## LIBRARY

| | |
|---|---|
| Lib Name: | Soares_multiple_sclerosis_2NbHMSP |
| Organism: | Homo sapiens |
| Sex: | male |
| Tissue type: | multiple sclerosis lesions |
| Develop. stage: | Age 46 |
| Lab host: | DH10B (ampicillin resistant) |
| Vector: | pT7T3D (Pharmacia) with a modified polylinker V_TYPE: phagemid |
| R. Site 1: | Not I |
| R. Site 2: | Eco RI |
| Description: | 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker |

(NINDS/NIH) .

**SUBMITTER**
Name:          Wilson RK
Institution:   Washington University School of Medicine
Address:       4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:           314 286 1800
Fax:           314 286 1810
E-mail:        est@watson.wustl.edu

**CITATIONS**
Title:         The WashU-Merck EST Project
Authors:       Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
               Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
               , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
               Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
               Wilson,R.
Year:          1995
Status:        Unpublished

**MAP DATA**
=====================================================================================

Revised: October 24, 2001.

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**NCBI**      Nucleotide

PubMed   Nucleotide   Protein   Genome   Structure   PopSet   Taxonomy   OMIM   Bo

Search Nucleotide ▼ for _____ Go Clear

Limits    Preview/Index    History    Clipboard    Details

Display default ▼ Save Text    Add to Clipboard

1: W61169. zd31a03.r1 Soares...[gi:1367946]      Taxonomy, LinkOut

## IDENTIFIERS

| | |
|---|---|
| dbEST Id: | 569198 |
| EST name: | zd31a03.r1 |
| GenBank Acc: | W61169 |
| GenBank gi: | 1367946 |
| GDB Id: | 1267595 |

## CLONE INFO

| | |
|---|---|
| Clone Id: | IMAGE:342220 (5') |
| Source: | IMAGE Consortium, LLNL |
| Insert length: | 621 |
| DNA type: | cDNA |

## PRIMERS

| | |
|---|---|
| Sequencing: | mob.REGA+ET |
| PolyA Tail: | Unknown |

## SEQUENCE

```
ACNGATATTAGAGAGGTAGAATGGCTCTTACAACTCATGTACCCATTGCTAGTTTTTTTT
TTTTTAATAAACGTGAAAACTGAGAGTTAGATCTGGTTTCAAAACCCAAGACTGCCTGAT
TTTTAGTTATCTTTCCACTATCCTAACTGCCTCATGCCCCTTCACTAGTTCATGCCAAGA
ACGTGACTGGAAAGGCATGGCACCTATACCTTGATTAATTTCCATTAATGGAAATGGTTC
GTCCTGAGTCATCTACGTTCCGAGTCAGGCTGTCACTCCTACTACCAATGGCCACTGTGA
GCCACAGAAGGAAGACATGTACGTGCTGTTCTACTTTATATGATGTGAGAAGCCAACATC
AGTGTCCCTTGGCAGCAGTCTACAGGCATAACTTGTTTTATTGTGCTGAATTTTATTGTG
CTTCTCAAATATTGCACTTTT
```

| | |
|---|---|
| Quality: | High quality sequence stops at base: 391 |

| | |
|---|---|
| Entry Created: | May 22 1996 |
| Last Updated: | Oct 15 1996 |

## COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

## LIBRARY

| | |
|---|---|
| Lib Name: | Soares_fetal_heart_NbHH19W |
| Organism: | Homo sapiens |
| Sex: | unknown |
| Organ: | heart |
| Develop. stage: | 19 weeks |
| Lab host: | DH10B (ampicillin resistant) |
| Vector: | pT7T3D (Pharmacia) with a modified polylinker |
| R. Site 1: | Not I |
| R. Site 2: | Eco RI |
| Description: | 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal |

lung library, Soares fetal lung NbHL19W.

**SUBMITTER**
Name:           Wilson RK
Institution:    Washington University School of Medicine
Address:        4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:            314 286 1800
Fax:            314 286 1810
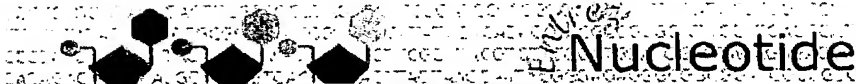E-mail:         est@watson.wustl.edu

**CITATIONS**
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished

**MAP DATA**

Revised: October 24, 2001.

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## NCBI    Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search Nucleotide ▼ for       Go Clear

Limits    Preview/Index    History    Clipboard    Details

Display default ▼ Save Text   Add to Clipboard

1: G20615. human STS A005Z09...[gi:1340952]      Taxonomy, UniSTS, LinkOut

```
LOCUS        G20615                    214 bp     DNA      linear    STS 24-JUL-1996
DEFINITION   human STS A005Z09, sequence tagged site.
ACCESSION    G20615
VERSION      G20615.1  GI:1340952
KEYWORDS     STS; STS sequence; primer; sequence tagged site.
SOURCE       human.
  ORGANISM   Homo sapiens
             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
             Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1  (bases 1 to 214)
  AUTHORS    Adams,M.D.
  JOURNAL    Unpublished (1996)
COMMENT
             Contact: Mark Adams
             The Institute for Genomic Research
             9712 Medical Center Dr., Rockville, MD 20850
             Email: mdadams@tigr.org

             Primer A: ATTATGACAATTGATACAGAGAC
             Primer B: CTACTTTATATGATGTGAGAAGC
             STS size: 214
             PCR Profile:
                     Denaturation:   96C 5min
                     Anneal:         54C 30sec
                     Extend:         72C 30sec
                     Denature:       95C 30sec
                     FinalExtend:    72C  5min
                     Cycles:          30
             Protocol:
                     GenomicDNA:     25 ng
                     Primer:          0.43 uM each
                     dNTPs:         230 uM each
                     AmpliTaq:        0.5 units
                     TaqStart Ab:     0.5 units
                     Total Volume: 10 ul

             Buffer:
                     Tris-HCl pH8.8:  100 mM
                     KCl:             500 mM
                     MgCl2:            20 mM
                     Triton X-100:      1%
                     Concentration:    10X

             Prepared with primer pairs derived from THC114583: GenBank
             Accession Numbers-  R40869, R37725, H11333, F01358, Z38158, L66830.
FEATURES             Location/Qualifiers
     source          1..214
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
     STS             1..214
     primer_bind     1..23
     primer_bind     complement(192..214)
BASE COUNT        78 a       39 c       41 g       56 t
ORIGIN
        1 attatgacaa ttgatacaga gacatgaagt gagcacatgc ctttgggaag aaagatgcca
```

```
 61 gcagatttgc tcaacagcat tgccacaaac tttcaatttt tttaaaagtg caatatttga
121 gaagcacaat aaaattcagc acaataaaac aagttatgcc tgtagactgc tgccaaggga
181 cactgatgtt ggcttctcac atcatataaa gtag
```

//

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## NCBI

### Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |
|--------|-----------|---------|--------|-----------|--------|----------|------|-----|

Search [Nucleotide ▼] for [_____] [Go] [Clear]

Limits     Preview/Index     History     Clipboard     Details

[Display] [default ▼] [Save] [Text] [ Add to Clipboard ]

**1: AI432384. tg73a04.x1 Soares...[gi:4281265]**          Taxonomy, UniSTS, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 2247058 |
| EST name: | tg73a04.x1 |
| GenBank Acc: | AI432384 |
| GenBank gi: | 4281265 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | IMAGE:2114382 (3') |
| Source: | NCI |
| Insert length: | 643 |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | -40UP from Gibco |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
AATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGCA
CATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCCACAAACTTTCA
ATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAATAAAACAAGTT
ATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCATATAAAGTAGA
ACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGGCCATTGGTAGTAGGAGTGACA
GCCTGACTCGGAACGTAGATGACTCAGGACGAACCATTTCCATTAATGGAAATTAATCAA
GGTATAGGTGCCATGCCTTTCCAGTCACGTTCTTGGCATGAACTAGTGAAGGGGCATGAG
GCAGTTAGGATAGTGGAAAGATAACTAAAAATCAGGCAGTCTTGGGTTTTGAAACCAGAT
CTAACTCTCA
```

| | |
|---|---|
| Quality: | High quality sequence stops at base: 469 |

| | |
|---|---|
| Entry Created: | Feb 12 1999 |
| Last Updated: | Mar 30 1999 |

**COMMENTS**

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

**PUTATIVE ID**

Assigned by submitter
contains MER37 repetitive element ;

**LIBRARY**

| | |
|---|---|
| Lib Name: | Soares_NhHMPu_S1 |
| Organism: | Homo sapiens |
| Organ: | mixed (see below) |
| Tissue type: | Pooled human melanocyte, fetal heart, and pregnant uterus |
| Lab host: | DH10B |
| Vector: | pT7T3D-Pac (Pharmacia) with a modified polylinker |
| R. Site 1: | Not I |
| R. Site 2: | Eco RI |
| Description: | Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the |

same 3 libraries. The pools consisted of I.M.A.G.E. clones
260232-265223, 340488-345479, and 484488-489479.

**SUBMITTER**
Name:           Robert Strausberg, Ph.D.
E-mail:         cgapbs-r@mail.nih.gov

**CITATIONS**
Title:          National Cancer Institute, Cancer Genome Anatomy Project
                (CGAP), Tumor Gene Index
Authors:        NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
Year:           1997
Status:         Unpublished


**MAP DATA**

Revised: October 24, 2001.


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## NCBI      Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search [ Nucleotide ▼ ] for [              ] [ Go ] [ Clear ]

Limits     Preview/Index     History     Clipboard     Details

[ Display [ default ▼ ] [ Save ] [ Text ]    [ Add to Clipboard ]

**1: W61131. zd31a03.s1 Soares...[gi:1367888]**      Taxonomy, UniSTS, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 569140 |
| EST name: | zd31a03.s1 |
| GenBank Acc: | W61131 |
| GenBank gi: | 1367888 |
| GDB Id: | 1267595 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | IMAGE:342220 (3') |
| Source: | IMAGE Consortium, LLNL |
| Insert length: | 621 |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | mob.REGA+ET |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
TAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGC
ACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCCACAAACTTTC
AATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAATAAAACAAGT
TATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCATATAAAGTAG
AACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGCCATTGGTAGTAGGAGTGACA
GCCTGACTCCGGAACGTAGATGACTCAGGACGAACCATTTCCCATTAATGGGAAATTAAT
CAAGGGTATAGGTGGCCATGCCTTTCCAGTCACGGTCCTTGGCATGNACCTAGTGGAAAG
GGGGCATGAAGGCNGTTTNGGATAT
```

| | |
|---|---|
| Quality: | High quality sequence stops at base: 300 |

| | |
|---|---|
| Entry Created: | May 22 1996 |
| Last Updated: | Oct 15 1996 |

**COMMENTS**

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

**LIBRARY**

| | |
|---|---|
| Lib Name: | Soares_fetal_heart_NbHH19W |
| Organism: | Homo sapiens |
| Sex: | unknown |
| Organ: | heart |
| Develop. stage: | 19 weeks |
| Lab host: | DH10B (ampicillin resistant) |
| Vector: | pT7T3D (Pharmacia) with a modified polylinker |
| R. Site 1: | Not I |
| R. Site 2: | Eco RI |
| Description: | 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal |

lung library, Soares fetal lung NbHL19W.

**SUBMITTER**
Name:           Wilson RK
Institution:    Washington University School of Medicine
Address:        4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:            314 286 1800
Fax:            314 286 1810
E-mail:         est@watson.wustl.edu

**CITATIONS**
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished


**MAP DATA**
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Revised: October 24, 2001.


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## Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search Nucleotide ▼ for [                    ] Go Clear

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☐1: AI023570. ov71d04.s1 Soares...[gi:3238614]    Taxonomy, UniSTS, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| **dbEST Id:** | 1762207 |
| EST name: | ov71d04.s1 |
| GenBank Acc: | AI023570 |
| GenBank gi: | 3238614 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | IMAGE:1642759 (3') |
| Source: | NCI |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | -40m13 fwd. ET from Amersham |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
TTTGCACATATAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAGAGACA
TGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCATTGCC
ACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAGCACAA
TAAAACAAGTTATGCCTGTAGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCACATCA
TATAAAGTAGAACAGCACGTACATGTCTTCCTTCTGTGGCTCACAGTGGCCATTGGTAGT
AGGAGTGACA
```

| | |
|---|---|
| Quality: | High quality sequence stops at base: 144 |
| Entry Created: | Jun 18 1998 |
| Last Updated: | Jun 18 1998 |

**COMMENTS**

cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing
Center
Clone distribution: NCI-CGAP clone distribution information
can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

PUTATIVE ID    Assigned by submitter
contains MER37.b1 MER37 repetitive element ;

**LIBRARY**

| | |
|---|---|
| Lib Name: | Soares_testis_NHT |
| Organism: | Homo sapiens |
| Sex: | male |
| Lab host: | DH10B |
| Vector: | pT7T3D-Pac (Pharmacia) with a modified polylinker |
| R. Site 1: | Not I |
| R. Site 2: | Eco RI |
| Description: | 1st strand cDNA was prepared from mRNA obtained from Clontech Laboratories, Inc., and primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCCCAATTTTTTTTTTTTTTTT 3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I |

and Eco RI sites of the modified pT7T3 vector. Library went
through one round of normalization to Cot5, and was
constructed by Bento Soares and M. Fatima Bonaldo.

**SUBMITTER**
Name:       Robert Strausberg, Ph.D.
E-mail:     cgapbs-r@mail.nih.gov

**CITATIONS**
Title:      National Cancer Institute, Cancer Genome Anatomy Project
            (CGAP), Tumor Gene Index
Authors:    NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
Year:       1997
Status:     Unpublished


**MAP DATA**

Revised: October 24, 2001.


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# NCBI    Nucleotide

1: F01358. HSC01E022 normali...[gi:644915]          PubMed, Taxonomy, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 98195 |
| EST name: | HSC01E022 |
| GenBank Acc: | F01358 |
| GenBank gi: | 644915 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | c-01e02 (3') |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | (-21)M13_universal |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
CACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATNATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCA
TTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGNGANGCACNNTAAAATTCAG
CACAATAAAACNAGTTATGCCTGTNGNCTG
```

| | |
|---|---|
| Entry Created: | Feb 1 1995 |
| Last Updated: | Feb 1 1995 |

**COMMENTS**

Single read. removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
a1c-01e02

**LIBRARY**

| | |
|---|---|
| Lib Name: | normalized infant brain cDNA |
| Organism: | Homo sapiens |
| Sex: | Female |
| Organ: | brain |
| Tissue type: | total brain |
| Develop. stage: | 3 months old |
| Vector: | lafmid BA |
| R. Site 1: | HindIII |
| R. Site 2: | NotI |
| Description: | sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press |

**SUBMITTER**

| | |
|---|---|
| Name: | Genethon |
| Lab: | Genexpress-Genethon |
| Institution: | Genethon Centre de recherche sur le Genome Humain |
| Address: | 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE |
| Tel: | 33169472800 |
| Fax: | 33160778698 |
| E-mail: | genexpress@genethon.fr |

**CITATIONS**

Medline UID:   95277534
Title:         IMAGE: molecular integration of the analysis of the human
               genome and its expression
Authors:       Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C.,
               Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B.
               , Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G.,
               Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation:      C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

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## NCBI     Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search Nucleotide ▼ for _____ Go Clear

Limits    Preview/Index    History    Clipboard    Details

Display default ▼ Save Text Add to Clipboard

**1: F03770. HSC29B122 normali...[gi:670376]**     PubMed, Taxonomy, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 119797 |
| EST name: | HSC29B122 |
| GenBank Acc: | F03770 |
| GenBank gi: | 670376 |

**CLONE INFO**
| | |
|---|---|
| Clone Id: | c-29b12 (3') |
| DNA type: | cDNA |

**PRIMERS**
| | |
|---|---|
| Sequencing: | (-21)M13_universal |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
CACCATAAGCACATATAATANTANTCAAGTTTATTNCGAAAATNATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGNTGCCAGCAGATTTCCTCAACAGCN
TTGCCACAAACTTNCAATTTTTTTAAAAGTGCANTATTTGAGAAGCACAATAAAATTCAG
CACATTAAAACAAGTTATGCCTNTAGACTGCTGCCAA
```

| | |
|---|---|
| Entry Created: | Feb 19 1995 |
| Last Updated: | Feb 19 1995 |

**COMMENTS**

Single read. removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
alc-29b12

**LIBRARY**
| | |
|---|---|
| Lib Name: | normalized infant brain cDNA |
| Organism: | Homo sapiens |
| Sex: | Female |
| Organ: | brain |
| Tissue type: | total brain |
| Develop. stage: | 3 months old |
| Vector: | lafmid BA |
| R. Site 1: | HindIII |
| R. Site 2: | NotI |
| Description: | sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press |

**SUBMITTER**
| | |
|---|---|
| Name: | Genethon |
| Lab: | Genexpress-Genethon |
| Institution: | Genethon Centre de recherche sur le Genome Humain |
| Address: | 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE |
| Tel: | 33169472800 |
| Fax: | 33160778698 |
| E-mail: | genexpress@genethon.fr |

**CITATIONS**

| | |
|---|---|
| Medline UID: | 95277534 |
| Title: | IMAGE: molecular integration of the analysis of the human genome and its expression |
| Authors: | Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C., Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B. , Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A. |
| Citation: | C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995 |

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**NCBI**                                                          **Nucleotide**

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Bo |

Search Nucleotide ▼ for _____ Go Clear

Limits    Preview/Index    History    Clipboard    Details

Display default ▼ Save Text    Add to Clipboard

☐ 1: Z38158. HSC01E032 normali...[gi:560166]          PubMed, Taxonomy, LinkOut

**IDENTIFIERS**

| | |
|---|---|
| dbEST Id: | 63237 |
| EST name: | HSC01E032 |
| GenBank Acc: | Z38158 |
| GenBank gi: | 560166 |

**CLONE INFO**

| | |
|---|---|
| Clone Id: | c-01e03 (3') |
| DNA type: | cDNA |

**PRIMERS**

| | |
|---|---|
| Sequencing: | (-21)M13_universal |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
CACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATTATGACAATTGATACAG
AGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCAGATTTGCTCAACAGCA
TTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGAAGCACAATAAAATTCAG
CACAATAAAACAAGTTATGCCTGTNGACTGCTGCCAAGGGACACTGATGTTGGCTTCTCA
CATCATATAA
```

| | |
|---|---|
| Entry Created: | Oct 27 1994 |
| Last Updated: | Oct 27 1994 |

**COMMENTS**

Single read. 26 T removed at sequence 5'end
Genexpress_library_idt: C; Genexpress_sequence_idt:
a1c-01e03

**LIBRARY**

| | |
|---|---|
| Lib Name: | normalized infant brain cDNA |
| Organism: | Homo sapiens |
| Sex: | Female |
| Organ: | brain |
| Tissue type: | total brain |
| Develop. stage: | 3 months old |
| Vector: | lafmid BA |
| R. Site 1: | HindIII |
| R. Site 2: | NotI |
| Description: | sex=Female; dev_stage=3 months old; isolate=muscular atrophy patient; tissue_type=total brain; total mRNA was oligo-(dT) primed and directionally cloned 5' -> 3' into the HindIII -> NotI sites of the lafmid BA vector. Clone library from B.Soares, Psychiatry Dept. Columbia University, USA. Normalization_method: Bento Soares, P.N.A.S in press |

**SUBMITTER**

| | |
|---|---|
| Name: | Genethon |
| Lab: | Genexpress-Genethon |
| Institution: | Genethon Centre de recherche sur le Genome Humain |
| Address: | 1,rue de l'Internationale, BP60 91002 EVRY Cedex, FRANCE |
| Tel: | 33169472800 |
| Fax: | 33160778698 |
| E-mail: | genexpress@genethon.fr |

**CITATIONS**
Medline UID:   95277534
Title:         IMAGE: molecular integration of the analysis of the human
               genome and its expression
Authors:       Auffray,C., Behar,G., Bois,F., Bouchier,C., da Silva,C.,
               Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B.
               , Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G.,
               Pouliot,Y., Sebastiani-Kabaktchis,C., Tessier,A.
Citation:      C. R. Acad. Sci. III, Sci. Vie 318 (2): 263-72 1995

**MAP DATA**

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## NCBI

**Nucleotide**

PubMed   Nucleotide   Protein   Genome   Structure   PopSet   Taxonomy   OMIM   Bo

Search Nucleotide ▼ for [                    ] Go  Clear

Limits       Preview/Index       History       Clipboard       Details

Display  default ▼  Save  Text    Add to Clipboard

---

1: G05725. human STS WI-6161...[gi:858970]            Taxonomy, UniSTS, LinkOut

```
LOCUS       G05725                      250 bp    DNA      linear    STS 19-OCT-1995
DEFINITION  human STS WI-6161, sequence tagged site.
ACCESSION   G05725
VERSION     G05725.1  GI:858970
KEYWORDS    STS; STS sequence; primer; sequence tagged site.
SOURCE      human STSs derived from sequences in dbEST and the Unigene
            collection.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 250)
  AUTHORS   Hudson,T.
  TITLE     Whitehead Institute/MIT Center for Genome Research; Physically
            Mapped ESTs
  JOURNAL   Unpublished (1995)
COMMENT

            Contact: Thomas Hudson
            Whitehead Institute/MIT Center for Genome Research
            Whitehead Institute for Biomedical Research
            9 Cambridge Center, Cambridge MA 02142 USA
            Tel: 617 252 1900
            Fax: 617 252 1902
            Email: thudson@genome.wi.mit.edu

            Primer A: ATCAAGTTTATTGCGAAAATTATGA
            Primer B: TATATGATGTGAGAAGCCAACATC
            STS size: 226
            PCR Profile:
                 Presoak:
                 Denaturation:
                 Annealing: 56 degrees C
                 Polymerization:
                 PCR Cycles: 35
                 Thermal Cycler:
            Protocol:
                 Template: 10 ng
                 Primer: each 5 pM
                 dNTPs: each 4 nM
                 Taq Polymerase: 0.025 units/ul
                 Total Vol: 20 ul

            Buffer:
                 MgCl2: 1.5 mM
                 KCl: 50 mM
                 Tris-HCL: 10 mM
                 pH: 9.3

            Prepared with primer pairs derived from Z38158 -- dbEST.
FEATURES             Location/Qualifiers
     source          1..250
                     /organism="Homo sapiens"
                     /db_xref="taxon:9606"
                     /map="885_C_3; 939_D_7; 782_B_10; 850_C_10; 515.5 cR from
                     top of Chr5 linkage group"
     STS             24..249
```

```
        primer bind        24..48
        primer bind        complement(226..249)
BASE COUNT         94 a      46 c       43 g        66 t        1 others
ORIGIN
        1 caccataagc acatataata ataatcaagt ttattgcgaa aattatgaca attgatacag
       61 agacatgaag tgagcacatg cctttgggaa gaaagatgcc agcagatttg ctcaacagca
      121 ttgccacaaa ctttcaattt ttttaaaagt gcaatatttg agaagcacaa taaaattcag
      181 cacaataaaa caagttatgc ctgtngactg ctgccaaggg acactgatgt tggcttctca
      241 catcatataa
//
```

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☐1: R40869. yf76c04.s1 Soares...[gi:823075]     Taxonomy, LinkOut

**IDENTIFIERS**

| dbEST Id: | 230091 |
| EST name: | yf76c04.s1 |
| GenBank Acc: | R40869 |
| GenBank gi: | 823075 |
| GDB Id: | 400802 |

**CLONE INFO**

| Clone Id: | IMAGE:28455 (3') |
| Insert length: | 1581 |
| DNA type: | cDNA |

**PRIMERS**

| Sequencing: | Promega -21m13 |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
TTTTTTTTTTTTTTTTCACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAATT
ATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGCA
GATTTGCTCAACAGCATTGCCACAAACTTTCANTTTTTTTAAAAGTGCAATATTTGAGAA
GCACAATAAANTTCAGACACAATAAAACAAGTTATGCCTGTAGGACTGNCTGCCAAGGGN
ACACTGATGTTGGGCTTCTCACATCATATAANGTAGGAACAGGCACGGTACATGTCTTCC
TTCTGTGGGCTCACAGTGGGCCATTGGG
```

| Quality: | High quality sequence stops at base: 291 |

| Entry Created: | May 5 1995 |
| Last Updated: | May 22 1995 |

**COMMENTS**

Insert Size: 1581
High quality sequence stops: 291 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

**LIBRARY**

| Lib Name: | Soares infant brain 1NIB |
| Organism: | Homo sapiens |
| Sex: | female |
| Organ: | whole brain |
| Develop. stage: | 73 days post natal |
| Lab host: | DH10B (ampicillin resistant) |
| Vector: | Lafmid BA |
| R. Site 1: | Not I |
| R. Site 2: | Hind III |
| Description: | 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo. |

**SUBMITTER**

```
Name:           Wilson RK
Institution:    Washington University School of Medicine
Address:        4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel:            314 286 1800
Fax:            314 286 1810
E-mail:         est@watson.wustl.edu
```
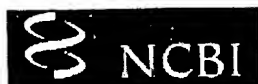
**CITATIONS**

```
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished
```

**MAP DATA**

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Nucleotide

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☐1: R37725. yf62a02.s1 Soares...[gi:795181]                    Taxonomy, LinkOut

**IDENTIFIERS**

| dbEST Id: | 207787 |
| EST name: | yf62a02.s1 |
| GenBank Acc: | R37725 |
| GenBank gi: | 795181 |
| GDB Id: | 398934 |

**CLONE INFO**
| Clone Id: | IMAGE:26587 (3') |
| Insert length: | 1558 |
| DNA type: | cDNA |

**PRIMERS**
| Sequencing: | -21m13 |
| PolyA Tail: | Unknown |

**SEQUENCE**

```
TTTTTTTTTTTTTTTTTTCACCATAAGCACATATAATAATAATCAAGTTTATTGCAGAAAA
TTATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAG
CAGATTTGCTCAACAGCATTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAG
AAGCACAATAAANTTCAGCACANTAAAACAAGTTATGCCTGTAGACTGCTGCCAAGGGAC
ACTGATGTTGGCTTCTCACATCATNTAAAGTAGGACAGCACGTACATGTCTTCCCTTCTG
TGGGCTCACAGTGGGCCATTGGGNAGGTAGGGGGTTNACAGCCCTGACTCGGGNCCGTAG
GGATGGCTTCAGGGGCGGGCCCTT
```
| Quality: | High quality sequence stops at base: 249 |

| Entry Created: | May 4 1995 |
| Last Updated: | May 4 1995 |

**COMMENTS**

Insert Size: 1558
High quality sequence stops: 249 Source: IMAGE Consortium,
LLNL This clone is available royalty-free through LLNL ;
contact the IMAGE Consortium (info@image.llnl.gov) for
further information.

**LIBRARY**
| Lib Name: | Soares infant brain 1NIB |
| Organism: | Homo sapiens |
| Sex: | female |
| Organ: | whole brain |
| Develop. stage: | 73 days post natal |
| Lab host: | DH10B (ampicillin resistant) |
| Vector: | Lafmid BA |
| R. Site 1: | Not I |
| R. Site 2: | Hind III |
| Description: | 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo. |

**SUBMITTER**
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Fax:             314 286 1810
E-mail:          est@watson.wustl.edu

**CITATIONS**
Title:           The WashU-Merck EST Project
Authors:         Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                 Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                 , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                 Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                 Wilson,R.
Year:            1995
Status:          Unpublished


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☐1: H11333. ym13d03.s1 Soares...[gi:876153]    ProbeSet, Taxonomy, UniSTS, LinkOut

**IDENTIFIERS**

dbEST Id:        271247
EST name:        ym13d03.s1
GenBank Acc:     H11333
GenBank gi:      876153
GDB Id:          420382

**CLONE INFO**
Clone Id:        IMAGE:47841 (3')
Insert length:   1555
DNA type:        cDNA

**PRIMERS**
Sequencing:      Promega -21m13
PolyA Tail:      Unknown

**SEQUENCE**

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TTTTTTTTTTTTTTTTTTCACCATAAGCACATATAATAATAATCAAGTTTATTGCGAAAAT
TATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGGGAAGAAAGATGCCAGC
AGATTTGCTCAACAGCATTGCCACAAACTTTCAATTTTTTTAAAAGTGCAATATTTGAGA
AGCACAATAAAATTCAGCACAATAAAACAAGTTATGCCTNTAGACTGCTGCCAAGGGACA
CTGATGTTGGNCTTCTCACATCATATAAAGTAGAACAGCACGTACATGTCTTCCTTCTGT
GGCTCACAGTGGCCATTGGTAGTAGGAGTGACAGCCTGACTCGGAACGTAGATGACTCAG
GACGAACCATTTCCATTAATGGGAANTTAATCAAGGTNTAGGTGCCATGCCTTTCCAGTC
ACGTTCTTGGCATGAACTAGTGAAGGGGCATGAGGCAGTTAGGNTAGTGGGAAGGTAACT
NAAAATCAGGCAGTCTTGGGTTTTGAAACCAGATCTACTCTCAGTTTTACGTTTTTTAAA
AAAAANAAC
```
Quality:         High quality sequence stops at base: 317

Entry Created:   Jun 26 1995
Last Updated:    Jun 26 1995

**COMMENTS**

Insert Size: 1555
High quality sequence stops: 317
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

**LIBRARY**
Lib Name:        Soares infant brain 1NIB
Organism:        Homo sapiens
Sex:             female
Organ:           whole brain
Develop. stage:  73 days post natal
Lab host:        DH10B (ampicillin resistant)
Vector:          Lafmid BA
R. Site 1:       Not I
R. Site 2:       Hind III
Description:     1st strand cDNA was primed with a Not I - oligo(dT) primer
                 [5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTT 3'];
                 double-stranded cDNA was ligated to Hind III adaptors
                 (Pharmacia), digested with Not I and directionally cloned

into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

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Institution:    Washington University School of Medicine
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Tel:            314 286 1800
Fax:            314 286 1810
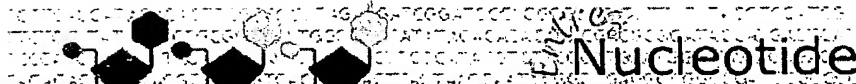E-mail:         est@watson.wustl.edu

**CITATIONS**
Title:          The WashU-Merck EST Project
Authors:        Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
                Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
                , Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
                Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
                Wilson,R.
Year:           1995
Status:         Unpublished

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☐1: AQ078563. CIT-HSP-2363D17.T...[gi:3439747]                    Taxonomy

**IDENTIFIERS**

dbGSS Id:        178735
GSS name:        CIT-HSP-2363D17.TF
GenBank Acc:     AQ078563
GenBank gi:      3439747

**CLONE INFO**
Clone Id:        2363D17
Other GSSs on clone:CIT-HSP-2363D17.TR
DNA type:        Genomic

**PRIMERS**
Sequencing:      M13-21

**SEQUENCE**

AATTCGAGCTCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGCATGCAAGCTTAATC
CTTTCTAGCTTTTGATTTAAAGTGAGAGACTTGCCGCTCTTCCTTTCACTTACACTTAGA
GGCCATTGCAGGGTTCTTAATTGGCCTAATTTTAATATTGTTTTGTCTCAGGGAATAGGT
AGGCCCATGGAGAGGGACCAAGATGGGGAATGGCTGGTGGGTGGAACAGTCAGAACATCA
CATTATTTATTAAGCTCTCCATCTTCTATGGAAGCAGTTCATAGGTTTCCCAAAATAATT
ACAATAGTAATATCAAAGATCACTGACCACAGATCACCATATGCACATATAATAATAATA
AGTTTATTGCGAAAATTATGACAATTGATACAGAGACATGAAGTGAGCACATGCCTTTGG
GAAGAAAGATGCCAGCATGATTGCTCAACAGTA

Entry Created:   Aug 19 1998
Last Updated:    Aug 20 1998

**COMMENTS**

Clones are available from Research Genetics (info@resgen.com
). BAC end search page:
http://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html

**LIBRARY**
CLASS:           BAC ends
Lib Name:        CIT-HSP
Organism:        Homo sapiens
Sex:             Male
Cell type:       Sperm
Vector:          pBeloBAC11
R. Site 1:       HindIII
R. Site 2:       HindIII

**SUBMITTER**
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Fax:             301 838 0208
E-mail:          mdadams@tigr.org

**CITATIONS**
Title:           Use of a random human BAC End Sequence Database for

```
                    Sequence-Ready Map Building
Authors:            Adams,M.D., Rounsley,S.D., Zhao,S., Bass,S., Linher,K.,
                    Golden,K., Berry,K., Granger,D., Suh,E., Wible,C., Shizuya
                    ,H., Simon,M., Venter,J.C.
Year:               1998
Status:             Unpublished
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